



CorePro LEDtube EM/ Mains



CorePro LEDtube 1800mm 21W 865 T8

CorePro, LEDtube, T8, EM/Mains, 1800 mm, 21 W, 70W TL-D, 6500 K, 3100 lm, CRI 80, 50000 h

The CorePro LEDtube is an affordable LED solution suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Warnings and Safety

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Product data

General Information		Operating and Electrical	
Cap base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	50 to 60 Hz
Nominal lifetime	50,000 h	Input frequency	50 to 60 Hz
Switching Cycle	200,000	Power Consumption	21 W
Lighting Technology	LEDtube	Lamp current (max.)	106 mA
Flux measurement reference	Sphere	Lamp current (min.)	87 mA
Light Technical		Starting time (nom.)	0.5 s
Colour Code	865 [CCT of 6500K]	Warm-up time to 60% light	0.5 s
Beam angle (nom.)	160 degree(s)	Power Factor (Fraction)	0.9
Luminous Flux	3,100 lm		
Colour designation	Cool Daylight		
Correlated Colour Temperature (Nom)	6500 K		
Luminous efficacy (rated) (nom.)	147 lm/W		
Colour consistency	<6		
Colour rendering index (CRI)	80		
LLMF at end of nominal lifetime (nom.)	70 %		
Photobiological safety according to EN 62471	RG0		

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Voltage (nom.)	220-240 V
LED alternative to fluorescent lamp power	70W TL-D
Inrush current at mains	8.2
Max. lamp no. on MCB B type 10A — Mains	65
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	65
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	10
Max. lamp no. on MCB B type 16A — Mains	100
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	100
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	16
Ballast Compatibility	EM/Mains

Temperature

T-Case maximum (nom.)	60 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Plastic
Product length	1,800 mm
Bulb shape	T8
Net Weight (Piece)	0.220 kg

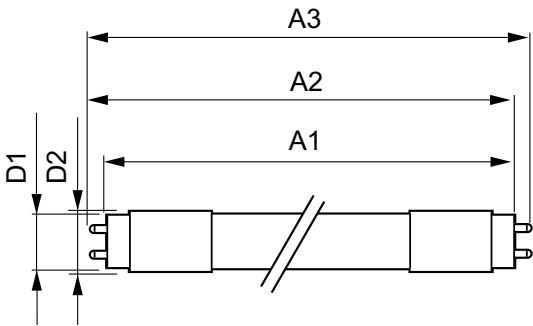
Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	21 kWh
EPREL Registration Number	1384731
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20°C to 45°C

Product Data

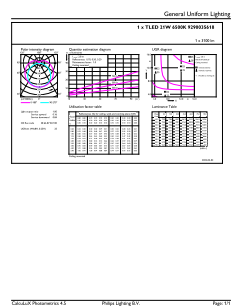
Order product name	CorePro LEDtube 1800mm 21W 865 T8
Full product name	CorePro LEDtube 1800mm 21W 865 T8
Full EOC	871951447381200
Order code	47381200
Material no. (12 NC)	929003561802
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514473812
Numerator – packs per outer box	10
EAN/UPC – Case	8719514473829

Dimensional drawing

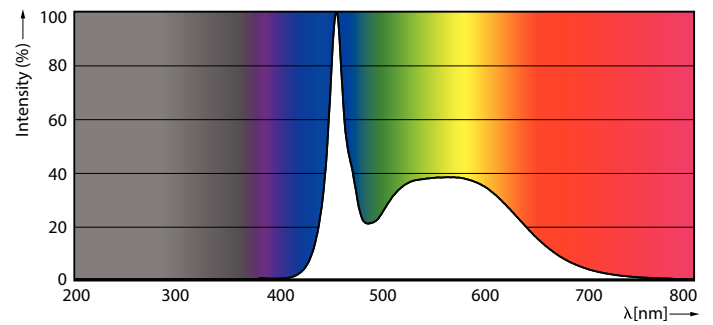


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1800mm 21W 865 T8	25.8 mm	28 mm	1,762.6 mm	1,769.7 mm	1,776.8 mm

Photometric data

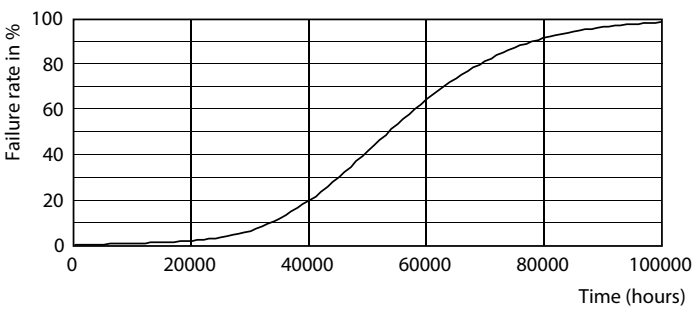


General uniform lighting - CorePro LEDtube 1800mm 21W 865 T8

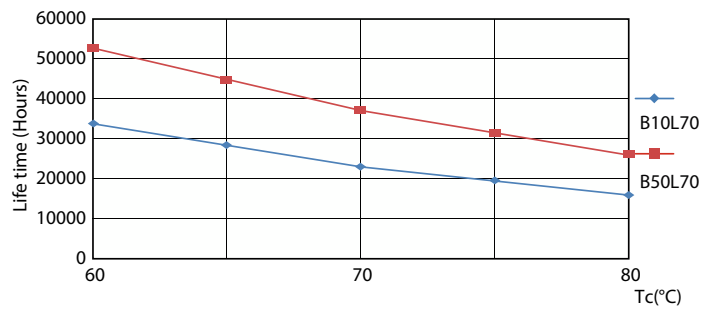


Spectral Power Distribution Colour - CorePro LEDtube 1800mm 21W 865 T8

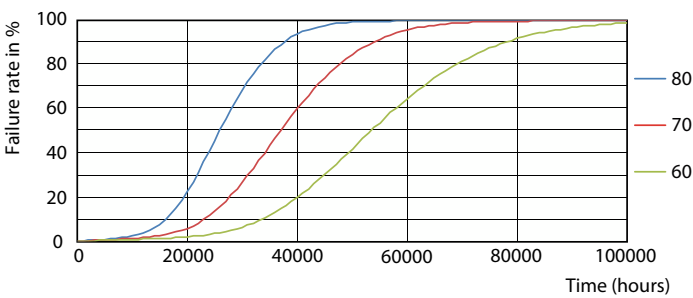
Lifetime



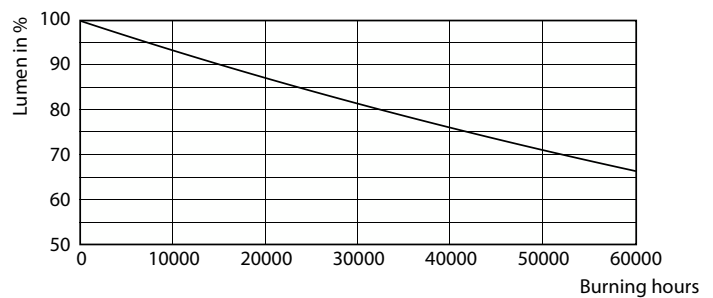
Life Expectancy Diagram



LifetimeVsTc



FailureRate



Lumen Maintenance Diagram - CorePro LEDtube 1800mm 21W 865 T8

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